

Title (en)

Method and device for measuring the loading of a string in the tobacco-processing industry with a quantity of materials

Title (de)

Verfahren und Vorrichtung zur Messung der Beladung eines Stranges der Tabak verarbeitenden Industrie mit einer Stoffmenge

Title (fr)

Procédé et dispositif de mesure du chargement d'un faisceau de l'industrie de traitement du tabac à l'aide d'une quantité de matière

Publication

EP 2146198 B1 20120912 (DE)

Application

EP 09008969 A 20090709

Priority

DE 102008032835 A 20080714

Abstract (en)

[origin: EP2146198A2] The method involves injecting an electromagnetic alternating field in a waveguide (22) by an injecting device (28). The frequency of the electromagnetic alternating field with respect to the dimensions of the waveguide is so large that a transmission through total reflection in the waveguide takes place. The electromagnetic alternating field is uncoupled from the waveguide by an uncoupling device (32). An independent claim is included for a device for use with a machine, particularly string machine of tobacco processing industry for measuring the loading of a string of a tobacco processing industry, particularly a filtering string, with a quantity of material, particularly softener or activated carbon.

IPC 8 full level

G01N 22/00 (2006.01); **A24C 5/34** (2006.01)

CPC (source: EP)

G01N 22/00 (2013.01)

Citation (examination)

- DE 202006020481 U1 20080821 - AMS ADVANCED MICROWAVE SYSTEMS [DE]
- EP 1895291 A1 20080305 - TEWS ELEKTRONIK DIPL ING MANFR [DE]

Cited by

EP3241451A3; DE102015119453A1; DE102015119453B4; US11533946B2; WO2021260507A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

EP 2146198 A2 20100120; EP 2146198 A3 20110427; EP 2146198 B1 20120912; CN 101627833 A 20100120; CN 101627833 B 20150218; DE 102008032835 A1 20100121; JP 2010017182 A 20100128; PL 2146198 T3 20130228

DOCDB simple family (application)

EP 09008969 A 20090709; CN 200910151759 A 20090713; DE 102008032835 A 20080714; JP 2009163686 A 20090710; PL 09008969 T 20090709